

**Amendments To The Specification**

Please amend the specification at follows:

Please replace the paragraph appearing at page 1, lines 6-14 with the following amended paragraph:

The present invention relates to fluorinated polyethers having low optical propagation loss, small optical birefringence, and a precious refractive index controllability, as well as a method of preparing the fluorinated polyethers and a use of the fluorinated polyethers for the fabrication of core and cladding layers of waveguide type optical devices, such as a thermo-optic switch, an optical splitter, a variable optical attenuator, a polarization splitter, tunable and fixed wavelength filters and arrayed waveguide gratings, etc.

Please replace the paragraph appearing at page 3, lines 15-18 with the following amended paragraph:

To achieve the above objects, the present invention provides fluorinated ~~polyesters~~ polyethers having flexible aliphatic fluorinated alkyl and ethylene oxide groups at their main chain structure, as represented by the following formula (1):